

## SUBJECT

# Combined Science Trilogy GCSE

## DEPARTMENT

Science

## QUALIFICATION

Two GCSEs Grades 9-1

## EXAM BOARD

AQA



The GCSE course is a compulsory course. The set you are placed in is dependent on your prior attainment in Science, as well as your potential in the subject.

### How is the course assessed?

This double AQA award is equivalent to two GCSEs. There is no coursework.

### Exams

**Six papers:** two Biology, two Chemistry and two Physics. Each will assess different topics.

**Duration:** all the papers are 1 hour 15 minutes.

**Weighting:** the papers are equally weighted. Each is worth 16.7% of the grade and has 70 marks.

**Question types:** multiple choice, structured, closed, short answer and open response.

### Engaging practicals

We know that practicals are not only one of the most engaging parts of a science education but are also essential for students' understanding of scientific theory. There are 21 compulsory practicals.

### What subject specific topics are covered during the course?

#### Summary of content

#### **Biology**

- Cell biology
- Organisation
- Infection and response
- Bioenergetics
- Homeostasis and response
- Inheritance, variation and evolution
- Ecology

#### **Chemistry**

- Atomic structure and the periodic table
- Bonding, structure and the properties of matter
- Quantitative chemistry
- Chemical changes
- Energy changes
- The rate and extent of chemical change
- Organic chemistry
- Chemical analysis
- Chemistry of the atmosphere
- Using resources

#### **Physics**

- Forces
- Energy
- Waves
- Electricity
- Magnetism and electromagnetism
- Particle model of matter
- Atomic structure

### What can students use the course for?

Students can progress to study A Levels in Biology, Chemistry or Physics or Applied Science.